



**6BY5-GA**

# **FULL-WAVE VACUUM RECTIFIER**

*For Television Damper Service*

**6BY5-GA**

## **GENERAL DATA**

### **Electrical:**

Heater, for Unipotential Cathodes:

Voltage . . . . . 6.3 . . . . . ac or dc volts

Current . . . . . 1.6 . . . . . amp

### **Mechanical:**

Mounting Position . . . . . Any

Maximum Overall Length . . . . . 3-7/8"

Maximum Seated Length . . . . . 3-5/16"

Maximum Diameter . . . . . 1-9/16"

Bulb . . . . . T-12

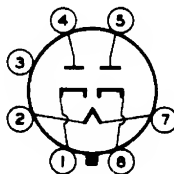
Base . . . . . Medium-Shell Octal 7-Pin (JETEC No.87-12),  
or Short-Medium-Shell Octal 7-Pin  
with External Barriers (JETEC No.87-119)

Basing Designation for BOTTOM VIEW . . . . . 6CN

Pin 1 - Cathode of  
Unit No.2

Pin 2 - Heater

Pin 3 - No Con-  
nection - Do.  
Not Use•



Pin 4 - Plate of  
Unit No.2

Pin 5 - Plate of  
Unit No.1

Pin 7 - Heater

Pin 8 - Cathode of  
Unit No.1

## **DAMPER SERVICE**

*Values are for Each Unit*

### **Maximum Ratings, Design-Center Values Except as Noted:**

*For operation in a 525-line, 30-frame system<sup>□</sup>*

#### **PEAK INVERSE PLATE VOLTAGE**

(Absolute maximum)<sup>#</sup> . . . . . 3000<sup>■</sup>max. volts

PEAK PLATE CURRENT . . . . . 525 max. ma

DC PLATE CURRENT . . . . . 175 max. ma

#### **PEAK HEATER-CATHODE VOLTAGE:**

Heater negative with respect to cathode . 450 max. volts

Heater positive with respect to cathode . 100 max. volts

• Socket terminal No.3 should not be used as tie point.

□ As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

# This rating is applicable where the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

■ Under no circumstances should this absolute value be exceeded.

MAY 1, 1955

**TUBE DIVISION**

**TENTATIVE DATA**

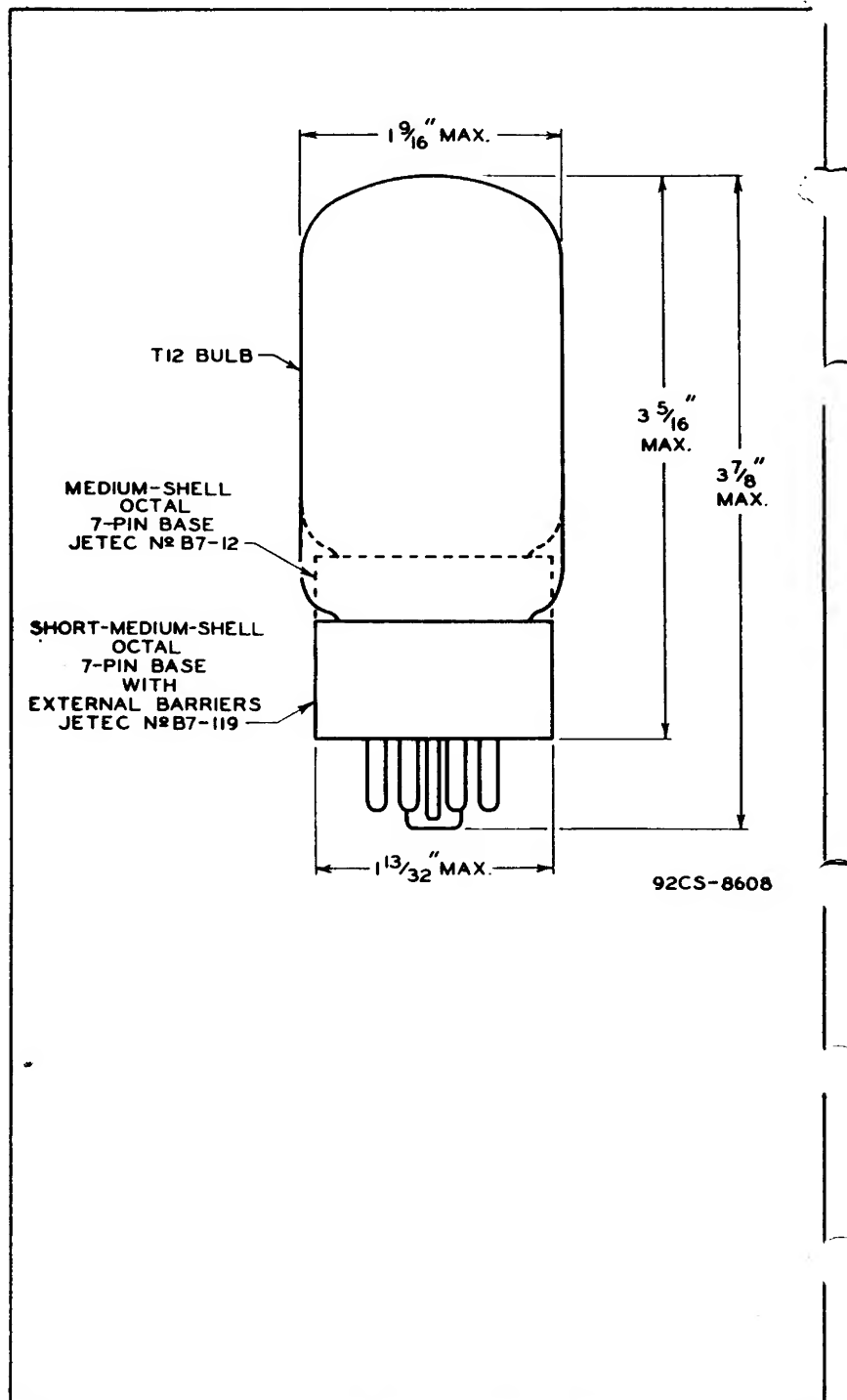
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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MAY 1, 1955

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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